

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Operations
P.C. x 1980
Hobbs, NM 88241

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Pogo Producing Company

3. Address and Telephone No.

P. O. Box 10340, Midland, TX 79702-7340 (915)685-8100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

330' FSL & 330' FWL, Section 13, T22S, R32E

5. Lease Designation and Serial No.

NM-58940

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

WBR Federal #2

9. API Well No.

30-025-32999

10. Field and Pool, or Exploratory Area

W. Red Tank Delaware

11. County or Parish, State

Lea County, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

**SUBJECT TO
LIKE APPROVAL
BY STATE**

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Request permission to commingle
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Pogo Producing Company respectfully ask permission to commingle the Bone Springs and Delaware formations in the WBR Federal #2.

Production will be increased by producing the two formations together improving economics in the area. There will be no cross flow plus the fluids from both zones are compatible resulting in no formation damage.

14. I hereby certify that the foregoing is true and correct

Signed

[Signature]

Title Senior Operations Engineer

Date 12/22/97

(This space for Federal or State office use)

Approved by

(ORIG. SGD.) ALEXIS C. SWOBODA

Title

PETROLEUM ENGINEER

Date

JAN 20 1998

Conditions of approval, if any:



DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

811 South First St., Artesia, NM 88210-2835

DISTRICT III

1000 Rio Brazos Rd. Aztec, NM 87410-1693

State of New Mexico
Energy, Minerals and Natural Resources DepartmentForm C-107-A.
New 3-12-96.

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

APPROVAL PROCESS:

☒ Administrative Hearing.

EXISTING WELLBORE.

☒ YES NO.

APPLICATION FOR DOWNHOLE COMMINGLING

Pogo Producing Company

P.O. Box 10340

Midland, TX 79702-7340

Operator
WBR Federal

2

Address

M, Sec 13, T22S, R32E

Lease

Well No

Unit Ltr. - Sec - Twp - Rge

County

Lea

OGRID NO. 017891

Property Code

9350

API NO.

30-025-32999

Federal

Spacing Unit Lease Types: (check 1 or more)
☒ State (and/or) Fee

The following facts are submitted in support of downhole commingling:		Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	RED TANK: DELAWARE, WEST 51689		RED TANK: BONE SPRING 51683	
2. Top and Bottom of Pay Section (Perforations)	7867' - 8504'		9840' - 9870'	
3. Type of production (Oil or Gas)	OIL		OIL	
4. Method of Production (Flowing or Artificial Lift)	ARTIFICIAL LIFT		ARTIFICIAL LIFT	
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a. (Current) 300 psi b. (Original) 2800 psi	a. b.	a. 2400 psi SI b. 3900 psi	
6. Oil Gravity (API) or Gas BTU Content	42		40	
7. Producing or Shut-In?	PRODUCING		SHUT IN	
Production Marginal? (yes or no) * If Shut-In, give date and oil/gas/water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data. * If Producing, give date and oil/gas/water rates of recent test (within 60 days)	NO		NO	
	Date: 11/1/97 Rates: 20BO, 150BW, 30MCF	Date: Rates:	Date: 10/1/95 Rates: 40BO, 80BW, 20MCF	
	Date: Rates:	Date: Rates:	Date: Rates:	
8. Fixed Percentage Allocation Formula - % for each zone (total of %'s to equal 100%)	Oil: 33 % Gas: 60 %	Oil: % Gas: %	Oil: 67 % Gas: 40 %	

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? ☒ Yes No
If not, have all working, overriding, and royalty interests been notified by certified mail? ☐ Yes No
Have all offset operators been given written notice of the proposed downhole commingling? ☒ Yes No11. Will cross-flow occur? ☐ Yes ☒ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ☐ Yes ☐ No (If No, attach explanation)12. Are all produced fluids from all commingled zones compatible with each other? ☒ Yes ☐ No13. Will the value of production be decreased by commingling? ☐ Yes ☒ No (If Yes, attach explanation)14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. ☒ Yes ☐ No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S):

16. ATTACHMENTS:

- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- * Production curve for each zone for at least one year. (If not available, attach explanation.)
- * For zones with no production history, estimated production rates and supporting data.
- * Data to support allocation method or formula.
- * Notification list of all offset operators.
- * Notification list of working, overriding, and royalty interests for uncommon interest cases.
- * Any additional statements, data, or documents required to support commingling.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: Mark Burkett TITLE: Div. Petr. Engr. Mng. DATE: December 8, 1997
TYPE OR PRINT NAME: Mark Burkett TELEPHONE NO. (915) 682-6822



DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Artec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Instruction on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-32999	Pool Code 51689	Pool Name West Red Tank Delaware
Property Code 9350	Property Name WBR	Well Number 2
OGRID No. 017891	Operator Name POGO PRODUCING CO.	Elevation 3718

Surface Location

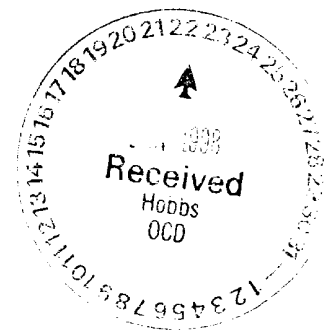
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	13	22 S	32 E		330	SOUTH	330	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature Barrett L. Smith Printed Name Senior Operations Eng. Title July 29, 1996 Date	
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief. MARCH 30, 1995 Date Surveyed Signature & Seal of Professional Surveyor W.C. Num: 95-11-0430 Certificate No. JOHN W. WEST 676 SCOTT J. EIDSON 3229 GARY EIDSON 12541	



DISTRICT I
P.O. Box 1960, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Dept.

Form C-102
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OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 51683	Pool Name UNDES. RED TANK BONE SPRINGS
Property Code	Property Name WBR FEDERAL	Well Number 2
OGRID No. 17891	Operator Name POGO PRODUCING CO.	Elevation 3718

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	13	22 S	32 E		330	SOUTH	330	WEST	LEA

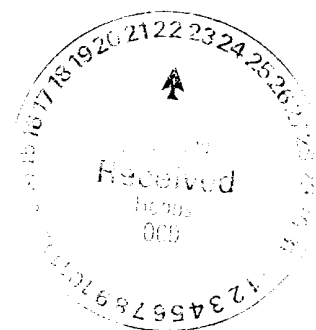
Bottom Hole Location If Different From Surface

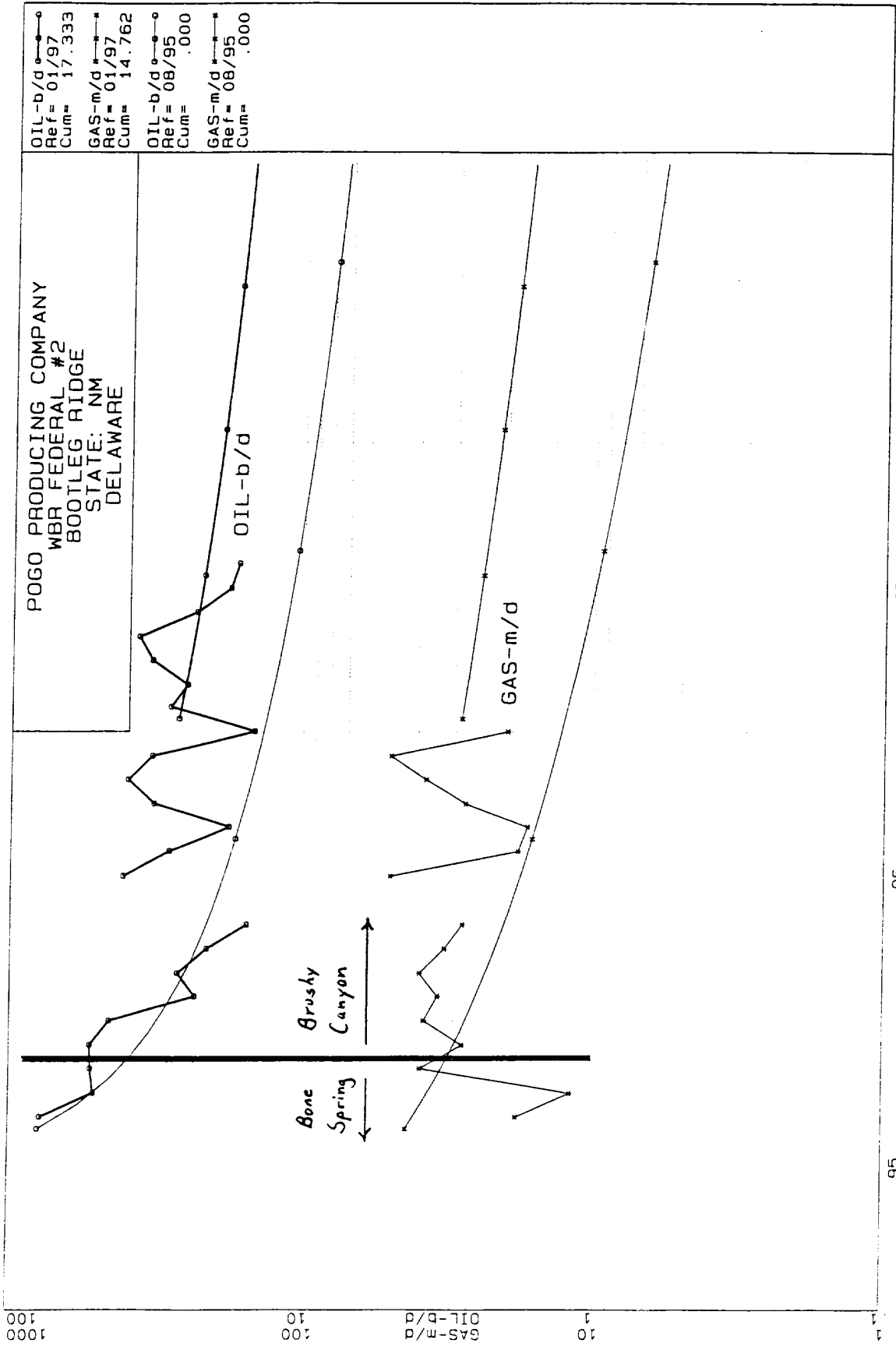
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

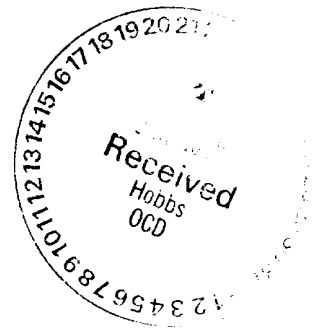
Dedicated Acres 40	Joint or Infill N	Consolidation Code	Order No.
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OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature Richard L. Wright Printed Name Division Operations Mgr. Title May 19, 1995 Date		
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief. MARCH 30, 1995 Date Surveyed Signature: Professional Surveyor NEW MEXICO Num. 95-11-8630 Certificate No. JOHN W. EDSON 676 RONALD L. EDSON 3239 PROFESSIONAL 12641		







Pogo Producing Company, OGRID No. 017891
Application for Administrative Approval for Downhole Commingling in the
WBR Federal #2 Well (Property Code 9350)
330' FSL and 330' FWL, Section 13, T-22-S, R-32-E
Lea County, New Mexico

Offset Operator Notification:

Burlington Resources Oil & Gas Company
P.O. Box 51810
Midland, TX 79710-1810

